

Appl. No. 10/605,252
Amdt. dated February 23, 2005
Reply to Office action of December 16, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1 (currently amended): A method for phase matching between a first element and a
5 second element by detecting a magnetic flux, the first and second elements both
being formed out of magnetic permeable material, the method comprising:
positioning aligning the first element and the second element such that
a first axis extends through the first and second elements;
providing a magnetic flux generator for generating a magnetic flux between the first
10 and second elements;
providing a magnetic sensor for detecting the magnetic flux between the first and
the second elements; and
moving the first element toward the second element along the first axis adjusting a
relative position of the first and the second elements until the magnetic flux
15 detected by the magnetic sensor reaches a predetermined value.
- 2 (original): The method of claim 1 wherein the magnetic flux generator is a magnet.
- 3 (original): The method of claim 1 wherein the magnetic sensor is a Hall element for
20 converting the magnetic flux into a corresponding voltage signal.
- 4 (original): The method of claim 3 further comprising providing an amplifier for
amplifying the voltage signal outputted from the Hall element.
- 25 5 (original): The method of claim 1 wherein the magnetic sensor is a magnetic
resistance device (MR device) having a resistance that changes according to a

Appl. No. 10/605,252
Amtd. dated February 23, 2005
Reply to Office action of December 16, 2004

magnitude of the magnetic flux.

6 (original): The method of claim 1 wherein the magnetic sensor is a magnetic diode,
and a current flowing though the magnetic diode changes according to a magnitude
5 of the magnetic flux.

7 (original): The method of claim 1 wherein the first element is a screwdriver and the
second element is a screw.

10 8 (original): The method of claim 7 wherein the screw is installed on a metal plate.

9 (original): The method of claim 8 wherein the magnetic flux generator is positioned
on the metal plate and the magnetic sensor is set on one end of the screwdriver.

15 10 (original): The method of claim 1 wherein the magnetic flux generator is set on one
end of the second element and the magnetic sensor is set on one end of the first
element.

20 11 (currently amended): The method of ~~claim 1~~ claim 7 wherein the magnetic flux
generator is set on one end of the ~~first element~~ screw driver and the magnetic sensor
is set on one end of the ~~second element~~ screw.